

VOYDA, A.N., inzhener.

Fertilizer loading and placement machines. Sel'khozmaschina no.1:
8-11 Ja '54. (MLRA 7:1)

(Fertilizer spreaders)

VOYDA, A.N.

Equipment for the reclamation of new lands. Sel'khozmaschina no.4:
3-6 Ap '54. (MLRA 7:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystven-
nogo mashinostroyeniya.
(Earthmoving machinery)

VOYDA, A. N.

VOYDA, A. N. - "Agrotechnical principles for the development of a tobacco-harvesting machine". Voronezh, 1955. Min Higher Education USSR. Voronezh Agricultural Inst. (Dissertation for the Degree of Candidate of Agricultural Science.)

SO: Knizhnaya Letopis', No. 13, 22 October 1955. Moscow

VOYDA, A.N.

Conference on the automatization of productive processes in agri-
culture. Sel'khoz mashina no.3:28-29 Mr '55. (MIRA 8:4)
(Moscow--Agricultural machinery--Congresses)

VOYDA, A.N., inzhener.

Direct flow combine. Nauka i shizn' 22 no.1:33 Ja '55. (MLBA 8:2)
(Combines (Agricultural machinery))

VOYDA, A.N., inzhener

OV-10 grain cleaning machine. Nauka i khizn' 22 no.7:52 J1'55.
(Grain handling) (MIRA 8:9)

VOYDA, A.N.

Scientific session in memory of Academician. V.P. Goriachkin.
(MLRA 9:8)
Sel'khoz mashina no.5:31-32 My '56.
(Goriachkin, Vasilii Prokhorovich) (Agricultural machinery)

VOYDA, A.N., inzh.

Second conference on automation in agriculture. Mekh.i avtom.proizv.
17 no.11:53-54 N '63. (MIPA 17:4)

VOYDA, A.N., inzh.

Technological level of grain-harvesting combines. Trakt. i
sel'khoz mash. no.9:19-21 S '65.

(MIRA 18:10)

VOYDA, A.N., inzh.

Conference on problems of the quality and durability of
agricultural machinery in Rostov-on-Don. Trakt. i sel'm.
khozmash. no.5:46-47 My '65. (MIRA 18:6)

VOYDA, A.N., inzh.

Tractors and agricultural machines at the Bulgarian Exhibition in
Moscow. Trakt. i sel'khoz mash. 33 no.12:40-42 D '63. (MIRA 17:2)

VOYDA, A.N., inzh.

The problem of the increase of the operating speed of agricultural machines in Academician V.P. Goriachkin's works. Trakt. 1
sel'khoz mash. 33 no.7:29-31 J1 '63. (MIRA 16:11)

VOYDA, A.N., inzh.

In memory of Academician V.P.Goriachkin. Trakt. 1 sel'khoz mash.
33 no.5:48 My '63. (MIRA 16:10)

VOYDA, A.N., inzh.

Exhibition of the work of research institutes and design offices of the State Committee of the Council of Ministers of the U.S.S.R. on Automation and Machine Manufacture. Trakt. 1 sel'khoz mash. 33 no.1:48-p. 3 of cover Ja '63. (MIRA 16:3)

(Moscow—Exhibitions)

(Machinery—Exhibitions)

SOV/25-59-4-30/44

8(5)

AUTHOR: Voyda, A.N. Engineer

TITLE: An Energy Transformer (Preobrazovatel' energii)

PERIODICAL: Nauka i zhizn', 1959, Nr 4, p 68 (USSR)

ABSTRACT: The author describes a new method of direct transformation of thermal energy into electric energy, developed by the US firm "General Electric". There is 1 diagram.

Card 1/1

VOYDA, A.N.

Monograph on separators ("Separators" by G.I. Bremer. Reviewed by
A.N. Voids). Trakt. i sel'khoz mash no. 6:48 Je '58. (MIRA 11:7)
(Separators (Machines))
(Bremer, G.I.)

VOYDA, A.N., inzh.

Press in the service of science and agricultural machinery industry.
Sol'khoz mashina no.12:28-30 D '57. (MIRA 11:2)
(Agricultural machinery)

VOYDA, A.N., inzhener.

Scientific and technical terminology for agricultural machinery.
Sel'khoz mashina no. 63 of cover Je '57. (MLRA 10:7)
(Agricultural machinery--Terminology)

VOYDA, M.N.

Machines for mechanized potato cultivation made by Johnson Company.
Trakt. 1 sel'khoz mash. 30 no. 7:45-46 J1'60. (MIRA 13:10)
(Great Britain--Agricultural machinery) (Potatoes)

VOYDA, M.N.

Tractor with hydraulic transmission (from "Agricultural
Engineering" May, 1960). Trakt. 1 sel'khoz mash. 31 no.6:3 of
cover Jo '61. (MIRA 14:6)

(Tractors—Transmission devices)

VOYDA, M.N.

Electric tractor with thermoelements (from "Agricultural Engineering,
v. 40, no.11, 1959). Trakt.i sel'khoz mash. 31 no.2:47 P '61.
(MIRA 14:7)

(United States--Tractors)

BEREGOVSKIY, V.Y.; VASILENKO, M.I.; VELIER, R.L.; VERBLOVSKIY, A.M.;
VERNER, B.F.; VOYDALOVSKAYA, Ye.N.; VOL'SKIY, A.N.; GLAZKOVSKIY, A.A.;
GRANOVSKIY, B.L.; GREYVER, N.S.; GUDIMA, N.V.; DOLGOPOLOVA, V.I.;
KARCHEVSKIY, V.A.; KOVACHEVA, Ye.B.; KUDRYAVTSEV, P.S.; LEBEDEV, A.K.;
LISOVSKIY, D.I.; LIKHNITSKAYA, Z.P.; MATVEYEV, N.I.; MEL'NITSKIY, A.N.;
MIRONOV, A.A.; MIKHEYEVA, A.A.; MURACH, N.N.; OKUL', A.B.; OL'KHOV, N.P.;
OSIPOVA, T.B.; PAVLOV, V.P.; ROTINYAN, A.L.; SAZHIN, N.P.; SEVRYUKOV, N.N.;
SIDOROV, P.M.; SOBOL', S.I.; KHEYFETS, V.L.; TSEYNER, V.M.;
SHAKHNAZAROV, A.K.; SHEYN, Ya.P.; SHEREMET'YEV, S.D.; SHERMAN, B.P.;
SHISHKIN, N.N.; SHLOPOV, A.P.

Georgii Ivanovich Blinov. TSvet.met. 28 no.6:62 N-D '55.
(MIRA 10:11)

(Blinov, Georgii Ivanovich, 1911-1955)

FILATOVA, N.A.; SLEPTSOVA, N.P.; VOYDENOV, I.I.

Use of ceramic metal plates in instrument manufacture. Porosh.
met. 2 no.4:100-104 J1-Ag '62. (MIRA 15;8)

1. Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR.
(Instrument manufacture) (Ceramic metals)

AUTHOR: ³⁰⁴
 V. O. DeNov, N.N.
 Gorodetskiy, S.S., Professor, Doctor Technical Sciences,
 Voydenov N.N., Candidate of Technical Sciences, Sokhranskiy,
 S.T., Engineer and Shvartsman, L.G., Candidate of Technical
 Sciences.

TITLE: A cable bushing for an alternating voltage of 420 kV. (Kabel-
 nyy vyvod na napryazheniye 420 kV peremennogo toka)

PERIODICAL: "Vestnik Elektromyshlennosti" (Journal of the Electrical
 Industry), 1957, Vol. 28, No. 4, pp. 14 - 17 (U.S.S.R.)

ABSTRACT: Cable type high voltage bushings are used to transmit power
 at high voltage from closed premises to the open air over
 varying distances and with the smallest of apertures in the
 wall or barrier. Hence, cable type bushings are better than
 bushings with porcelain insulators. The article describes a
 cable type bushing intended for transmitting a power of
 123.5 MVA at a line voltage of 420 kV from an indoor trans-
 former chamber to an outdoor transmission line.

The use in the cable type bushing of oil impregnated paper
 insulation working under pressure makes it possible to use
 higher working stresses than in ordinary bushings. The
 insulation works under a pressure of 15 kg/cm² with radial
 stresses of 12 to 14 kv/mm and of 4 to 7 kv/mm in the term-
 ination. The bushing is described in detail in the article
 and illustrated by sketches. It consists essentially of a
 short length of single core cable maintained under high

A cable bushing for an alternating voltage of 420 kV.³⁸⁴ (Cont.)

pressure in a non-magnetic pipe and two double chamber type terminations. The pipe and terminations are filled with low viscosity insulating oil at a pressure of 15 kg/cm². The terminations consist of three main parts - a high pressure chamber, a low pressure chamber and a blocking device and a compensating device is provided to maintain the pressure. The low pressure chamber consists of a porcelain cover intended to protect the bakelite cylinder from moisture and to improve the flash-over characteristics. The blocking device is intended to separate the high pressure chamber of the termination from the cable pipe during erection and maintenance testing of the termination and is in the form of a packing gland. A pressure balancing tank is provided. Details are given of the insulation thicknesses with calculated breakdown voltages and stresses. The thermal design of the bushing was based on a transmitted power of 123.5 MVA at a phase voltage of 242 kV with allowance for currents and powers occurring on three phase short circuit. It was calculated that with an ambient maximum temperature of 40 °C, the cable core temperature in the pipe could reach 60 °C, and the core temperature in the termination about 66 °C. It was calculated that if a three-phase short circuit was disconnected after five seconds under the most unfavourable conditions the core could reach a temperature of 128 °C. Power factor test results on the insulation are given, the bushing withstood all a.c. power frequency test voltages

A cable bushing for an alternating voltage of 420 kV. (Cont.)³⁰⁴

after three heating cycles to a temperature of 60 °C, dielectric loss measurements before and after testing revealed no ionisation at voltages up to 300 kV, surge testing was also successfully withstood.

2 figures, no literature references.

VOYDENOVA, K.I.

KULAKOVA, R.V., kandidat tekhnicheskikh nauk; VOYDENOVA, K.I., inzhener.

Insulating paper for high-voltage cables. Vest.electroprov. 27
no.7:42-46 J1 '56. (MLRA 10:8)

1.Nauchno-issledovatel'skiy institut kabel'noy promyshlennosti.
(Electric insulators and insulation)

VOYDETSKIY, Ye.

~~Let's increase the production of precast reinforced concrete. Sel'.~~
stroil. 10 no.2:13 F '55. (MIRA 8:4)

1. Direktor zavoda No.3 Upravleniya promyshlennosti stroydetaley
Mosgorispolkoma.
(Farm buildings)

S/137/61/000/003/007/069
A005/A101

AUTHOR: Voydillo, M.K.

TITLE: Roentgenographical investigation of coke-sodium interaction products

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 3, 1961, 15, abstract 3G115
("Tr. Przheval'skogo ped. in-ta", 1957 (1958), no. 5, 3-14)

TEXT: It was established on the basis of experiments and calculational data that : 1. Na dissolves in oil, pitch and foundry coke, causing the formation of solid solutions with irregular arrangement of Na atoms between the graphite carbon network; 2. at 500-1,000°C, Na forms with C a new type of compound, i.e. Na graphitides; 3. the latter dissociate in oil and pitch cokes in a vacuum at 650°C, whereas analogous phases are preserved in the foundry coke.

G. S. ✓

[Abstracter's note: Complete translation.]

Card 1/1

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80303

SOV/81-59-7-22310

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 7, p 32 (USSR)

AUTHOR: Voydillo, M.K.

TITLE: The Roentgenographic Investigation of Flaky Graphite¹⁵

PERIODICAL: Tr. Kirg. s.-kh. in-ta, 1957, Vol 10, Nr 3, pp 203 - 207

ABSTRACT: It was established by roentgenography (powder method, α Cu-K α) that in flaky graphite from Soviet layers besides the usual hexagonal modification (I) the rhombohedral modification (II) is also present, the existence of which was reported earlier (RZhKhim, 1955, 39553). The parameters of the lattice are: Ia 2.46, c 6.74 Å, II a 3.65, α 39°49'. It was found that in flaky graphite ~14% of II is contained. In other samples of natural graphites the presence of II was not discovered.

P. Zorkiy

Card 1/1

80304

SOV/81-59-7-22311

5.2400

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 7, p 32 (USSR)

AUTHOR: Voydillo, M.K.

TITLE: The Roentgenographic Investigation of the Products of Interaction of Graphite With Sodium

PERIODICAL: Tr. Kirg. s.-kh. in-ta, 1957, Vol 10, Nr 3, pp 209 - 216

ABSTRACT: Samples of natural flaky and synthetic (from a graphitized electrode) graphites treated in Na vapors at temperatures of 650, 850 and 1,000°C were studied by roentgenography (powder method, λ Cu-K α). It was established that in the samples investigated Na graphitides are present which are similar to graphitides of other alkali metals, which were discovered earlier (ZhKhim, 1955, 45345). The structures of Na graphitides are alternating layers of Na and C atoms. The author thinks that the graphitides are formed on the base of the rhombohedral modification, in relation to which they are superstructures. The amount of Na in the samples is the less, the higher the temperature

Card 1/2

80304
SOV/81-59-7-22311

The Roentgenographic Investigation of the Products of Interaction of Graphite
With Sodium

of treatment of graphite with Na vapors. In synthetic graphite a compound is
formed which is different in composition and structure from the compounds
formed in flaky graphite; this compound decomposes or volatilizes at $\sim 800^{\circ}\text{C}$. ✓

P. Zorkiy

Card 2/2

Card
VOYDILLO, M. K.: Master Phys-Math Sci (diss) -- "X-ray investigation of the
products of interaction of carbon-containing materials and sodium". Frunze, 1958.
11 pp (Kirgiz State U), 200 copies (KL, No 6, 1959, 123)

VOYDINOV, N. A.

20087 VOYDINOV, N. A. Osbornosti techniya yayer zheludka i 12-perstnoy kishki za gody otechestvennoy voyvy. Sbornik trudov Vracheb.-san. sluzhby Kaznansk. zh.d., vyp. 2, 1948, s. 24-30.

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949.

VOYDISLAVSKIY, M.R.

Konkretny sluchay nekotorykh tipov obshchennykh Grupp. Khrk., Zap. Matem.
T-va (4), 17 (1940), 127-144.

SO: Mathematics in the USSR, 1917, 1947
edited by Kurosh, A.G.,
Markushevich, A.I.,
Rashevshiy, P.K.
Moscow-Leningrad, 1948

VOYENIKOV, A.I.

VOENIKOV, A.I. and BUDIKO, M.I.

"Evaporation under natural conditions", (Isparenie v estestvennikh usolviyakh),
published by the Hydrometeorological Publisher, Leningrad 1948.

SO: A-1089-54, 2 Sept 1954.

S/208/62/002/004 002/008
1019/1219

AUTHOR: Voyerodin, V. V. (Moscow)

TITLE: On the convergence of the orthogonal power method

PERIODICAL: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 2, no. 4, 1962, 529-536

TEXT: The author's earlier exposition of the orthogonal power method for solving the complete problem of eigenvalues of a non-degenerated matrix A demonstrated the convergence by supposing that the matrix A has a simple Jordanian structure and the initial Q_0 is chosen in a special mode. The present work demonstrates the convergence for an arbitrary, complex, non-degenerated matrix. The initial matrix Q_0 is chosen so that the function

$$\psi(k) = \prod_{i=1}^n \phi_{j_1 j_2 \dots j_i}^{l_1 l_2 \dots l_i}(k)$$

is different from zero in at least one integer value of the argument, where

$$F_0 A^k Q_0 \begin{pmatrix} l_1 l_2 \dots l_i \\ j_1 j_2 \dots j_i \end{pmatrix} = f_i(k) |\lambda_1|^k |\lambda_2|^k \dots |\lambda_i|^k \left[\varphi_{j_1 j_2 \dots j_i}^{l_1 l_2 \dots l_i}(k) + O(1) \right]$$

λ_i being the eigenvalue of A , and F_0 another initial matrix and f_i , functions such that $1 \leq f_i(k) \leq \alpha k^{\alpha}$

SUBMITTED: March 30, 1962.

Card 1/1

VOYEV, S.N.

BEZUKLADNIKOVA, N.A.; VOYEV, S.N., red.; GVOZDEV, Ye.V., red.

[Literature on the parasitology of Kazakhstan; annotated bibliography
on parasites and parasitic diseases of man, farm, and wild animals]
Literatura po parazitologii Kazakhstana; referirovannaya bibliografiya
po parazitam i parazitarnym boleznyam cheloveka, sel'skokhoziastvennykh
i drugih zhivotnykh. Alma-Ata, 1957. (MIRA 11:1)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut zoologii.
(Bibliography--Kazakhstan--Parasitology)

VOYEV, S. N.

"The Fight Against Parasitic Diseases of Agricultural Animals (in driving-pasture maintenance). Alma-Ata, Kazakh State Publishing House, 1953, 132 pages with illustrations. In Kazakhian.

SO: Veterinariya; Vol. 30; No. 7; July 1953, Unclassified. Trans. #155 by L. Lulich

VOYEYKOV, V.A., inzh.

Block straight arch for brick buildings. Transp. stroi.
16 no.1:28 Ja '66. (MIRA 19:1)

VOYEVODA, A.N.; PREOBRAZHENSKIY, A.M.

Constructing BU-75BrE drilling rigs in fields of the Tatar
Oil Drilling Trust. Neft. khoz. 41 no.4:1-7 Ap '63.

(MIRA 17:10)

ZALEGALLER, Boris Grigor'yevich, kand. tekhn. nauk; LASTOCHKIN.
Pavel Vladimirovich, kand. tekhn. nauk; VOYEYODA, D.,
kand. tekhn. nauk, retsenzent; SOLOV'YEV, N.S., red.

[Mechanization and automation of the operations on lumber
landings] Mekhanizatsiia i avtomatizatsiia rabot na les-
nykh skladakh. Moskva, Lesnaia promyshlennost', 1965.
443 p. (MIRA 19:1)

VOYEVODA, D. K., KOVALIN, D. T.

Afforestation

Small book with great deficiencies. ("Ways to improve operation of shelter-belt-station machinery." Les 1 step' 4, No.2, 1952

Monthly List of Russian Accessions, Library of Congress, June 1952.
Unclassified.

VOYEVODA, D.K., KOVALIN, D.T.

Tractors

Small book with great deficiencies. ("Ways to improve operation of shelter-belt-station machinery." Reviewed by S. Brodskiy). Les 1 step' 4
No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952.
Unclassified.

VOYEVODA, Dmitriy Kondrat'yevich, kand. tekhn. nauk; FEOKTISTOV,
A.Ye., red.; PROTANSKAYA, I.V., red. izd-va; GRECHISHCHEVA,
V.I., tekhn. red.

[Basic methods for the automation of the lumbering industry;
theory and design] Osnovnye metody avtomatizatsii v lesnoi
promyshlennosti; teoriia i konstruktsiia. Moskva, Goslesbum-
izdat, 1962. 426 p. (MIRA 16:5)
(Lumbering--Machinery--Design and construction)
(Automation)

VOYEVODA, D.K.

AUTHOR: Ovsyannikov, Ye. A., Engineer (Reviewer) 118-58-4-22/23
TITLE: Bibliography (Bibliografiya)
PERIODICAL: Mekhanizatsiya Trudoyemkikh i Tyazhelykh Rabot, 1958, Nr 4,
page 46 (USSR)
ABSTRACT: This article is a review of the book "Novoye v organizatsii
i tekhnike lesozagotovok" ("Innovations in the Organization
and Technics of Lumbering") by D. K. Voyevoda and V. A.
Gatskevich, published by Trudrezervizdat in 1957.
AVAILABLE: Library of Congress
Card 1/1 1. Literature-Industry-USSR 2. Periodicals-USSR

VOYNODA, D.K.; VOLOBUYEV, G.P.; N VOSML'TSEV, N.V., red.; FEDOROV, V.M.,
red. 1zd-va; BACHURINA, A.M., tekhn. red.

[KKU-7.5 gantry crane for loading operations in lumber storage areas]
Konsol'nyk slovoi kran KRU-7,5 dlia pogrulochnykh rabot na lesnykh
skladakh. [Moskva] M-vo lesnoi promyshl. SSSR [1957] 12 p.
(MIRA 11:10)

1. Moscow. Vsesoyuznaya promyshlennaya vystavka.
(Cranes, derricks, etc.) (Lumbering--Machinery)

VOYEVODA, Dmitriy Kondrat'yevich; POMERANTSEV, Mikhail Mikhaylovich;
ALPATSKIY, I.V., red.; KALININA, L.M., red.izd-va;
SHIBKOVA, R.Ye., tekhn. red.

[Self-loaders and their performance at lower timber land-
ings and timber transshipment bases] Avtopogruzchiki, ikh
rabota na nizhnikh lesnykh skladakh i lesoperevalochnykh
bazakh. Moskva, Goslesbumizdat, 1962. 53 p.

(MIRA 16:11)

(Lumber--Transportation)

SOV-118-58-10-7/16

AUTHOR: Voyevoda, D.K., Candidate of Technical Sciences

TITLE: The Problem of Automating Operations in Lower Lumber Yards
(K voprosu avtomatizatsii rabot na nizhnikh lesnykh skladakh)

PERIODICAL: Mekhanizatsiya trudoyemkikh i tyazhelykh rabot, 1958,
Nr 10, pp 21 - 25 (USSR)

ABSTRACT: The Tsentral'nyy nauchno-issledovatel'skiy institut mekhanizatsii i energetiki lesnoy promyshlennosti - TsNIIME (The Central Scientific Research Institute of Mechanization and Energetics of the Lumber Industry - TsNIIME), under the supervision of the author, developed schemes for the compound mechanization and automation of production operations in lumber yards. These schemes consist of two series of operations: one series is semi-automatic and concerns the classification of trunks; the second - the automatic classifying and packing of firewood in boxes. The institute has also devised the special equipment necessary for both series of operations: the crosscutting aggregate TsNIIME (table 2) and the semi-automatic trunk tipper TsNIIME ASB-6 for the semi-automatic series; an automatic two-saw aggregate to cut the trunks to the required length, and a mechanical stacker of the cut firewood into boxes of

Card 1/2

SOV-118-58-10-7/16

The Problem of Automating Operations in Lower Lumber Yards

the Krestetskiy Lespromkhoz type (fig. 3). The TsNIIME is conducting research on the designing of an automatic counting machine which, connected with the trunk-tipper, could register the number of tipped trunks. To cut down labor expenditure in the stacking of trunks, the Uzlovskiy mashinostroitel'nyy zavod (the Uzlovskiy Machine Building Plant) of the Tula Sovnarkhoz has built a console gantry crane KKV-7.5 designed by the TsNIIME. It is now in serial production. There are 3 photos, 2 tables, 2 diagrams and 1 Soviet reference.

1. Lumber industry--USSR
2. Wood--Handling
3. Wood--Classification
4. Machines--Applications

Card 2/2

VOYEVODA, D.K., kand.tekhn.nauk

Automation of lumber loading point. Mekh.i avton.proiz. 14
no.2:28-33 F '60. (MIRA 13:5)
(Lumbering) (Automation)

1. GATSKEVICH, V.A.. VOYEVODA, D.K., Engs.
2. USSR (600)
4. Lumbering
7. Changing lower lumber yards at railroad sidings into industrial shops. Mekh trud
rab No. 12 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

VOYEVODA, D.K., kandidat tekhnicheskikh nauk; KHUDYAKOV, A.V., kandidat
tekhnicheskikh nauk; KIPUS, L.A., inzhener; KREZOV, V.S., inzhener.

Unit for the automatic measuring of logs. Mekh.trud.rab. 11 no.1:25-27
Ja '57. (MLRA 10:5)

(Lumber--Mensuration)

VOYEVODA, D.K.; GATSKEVICH, V.A.; KHUDYAKOV, A.V.

Over-all mechanization and automatization of work at landings.

Mekh. trud. rab. 10 no.9:28-31 S '56.

(MLRA 9:10)

(Lumber--Transportation)

VOYEVODA, D.K., kandidat tekhnicheskikh nauk.

A useful pamphlet: "Operating a manual RES - 1 electric tree-knot
cutter." E.A.Pavlov, M.M.Drekhsler. Reviewed by D.K.Voevoda.
Mekh.trud.rab. 9 no.3:47 Mr '55. (MLRA 8:5)
(Cutting tools) (Pavlov, E.A.) (Drekhsler, M.M.)

~~VOYEVODA~~, Dmitriy Kondrat'yevich; GATSKEVICH, Vladimir Antonovich;
STREL'TSOV, Afanasiy Vasil'yevich, nauchnyy red.; SEREBRENNIKOVA,
L.A., red.; MATUSEVICH, N.L., tekhn.red.

[New development in logging organization and equipment] Novoe
v organizatsii i tekhnike lesozagotovok. Izd.2-oe, perer. i dop.
Moskva, Vses.uchebno-pedagog.izd-vo Trudrezervizdat, 1957.
126 p. (MIRA 11:1)

(Lumbering)

VOYEVODA, D.K. kand. tekhn. nauk.

Automating operations at log dumps. Mekh. trud. rab. 12 no.10:21-25
0 '58. (numbering) (Automation) (MIRA 11:11)

LESHKEVICH, Andrey Ivanovich; VOYEVODA, Dmitriy Kondrat'yevich; NAZAROV, Viktor Vasil'yevich; VIL'KE, G.A., retsenzent; YEREMINA, N.S., retsenzent; SOLOV'YEV, N.S., red.; PITERMAN, Ye.L., red. izd-va; KUZNETSOVA, A.I., tekhn. red.

[Equipment and work mechanization at log dumps] Oborudovanie i mekhanizatsiia rabot na lesnykh skladakh. Moskva, Goslesbumizdat, (MIRA 14:9)
1960. 369 p. (Lumbering—Equipment and supplies)

VOYEVODA, Dmitriy Kondrat'yevich, kandidat tekhnicheskikh nauk;
RAMISEV, A.A., redaktor; NIKOLAYEVA, I.I., redaktor; KARASIK,
N.P., tekhnicheskii redaktor

[Choosing the methods of mechanization for sorting logs at
loading points] Vybory sredstv mekhanizatsii dlia sortirovki
drevesiny na nizhnikh lesnykh skladakh. Moskva, Goslesbu-
mizdat, 1955. 81 p. (MLBA 8:11)
(Lumber--Transportation]

VOYEVODA, G.

Extra-Newtonian equations of motion and the harmonicity conditions
in the theory of gravitation. Zhur. eksp. i teor. fiz. 45
no.6:2051-2063 D '63. (MIRA 17:2)

1. Vrotslavskiy politekhnicheskii institut.

BR

ACCESSION NR: AP4009132

S/0056/63/045/006/2051/2063

AUTHOR: Voyevoda, G.

TITLE: Post-Newtonian equations of motion and harmonicity conditions in the theory of gravitation

SOURCE: Zhurnal eksper. i teoret. fiziki, v. 45, no. 6, 1963, 2051-2063

TOPIC TAGS: gravitation, equations of motion, Newtonian equations, post Newtonian equations, harmonicity conditions, harmonic coordinate system

ABSTRACT: The connection between the harmonicity condition and the equations of motion in Einstein's theory of gravitation are considered. Following L. Infeld (Revs. Mod. Phys. v. 29, 398, 1957), material bodies are regarded as delta-function singularities of the field. It is assumed that the metric tensor can be represented by

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ACCESSION NR: AP4009132

a series in powers of $1/c$. It is assumed that the derivatives with respect to x^0 are quantities of the order of $1/c$ relative to the derivatives with respect to t . Although Infeld proved that the Newtonian and post-Newtonian equations of motion can be derived in a coordinate system which is not harmonic, it is shown in this article that such a system would contain the harmonicity conditions in more or less hidden form. It is proved that under the assumptions made the harmonicity conditions of zero, first, and second order are necessary and sufficient for the derivation of the post-Newtonian equations of motion from the gravitational field equations." The author expresses his deep gratitude to Academician V. A. Fok for attentive examination of the results obtained and thanks Doctor Ch. Yankevich for interest in the work." Orig. art. has: 86 formulas.

ASSOCIATION: Wroclaw Polytechnic Institute

Card 2/32

ACC NR: AT6034037

SOURCE CODE: UR/0000/66/000/000/0147/0149

AUTHOR: Voyevoda, L. V.; Oksyuk, A. A.; Sidorova, R. P.; Tshchenko, I. K.;
Khudenskiy, Yu. K.; Tshchenko, V. G.

ORG: none

TITLE: Correlation of the structure of the first coordination sphere with emission spectra of europium benzoylacetate

SOURCE: Simpozium po spektroskopii kristallov, sodержashchikh redkozemel'nyye elementy i elementy gruppy zheleza. Moscow, 1965. Spektroskopiya kristallov (Spectroscopy of crystals); materialy simpoziuma. Moscow, Izd-vo Nauka, 1966, 147-149

TOPIC TAGS: ~~europium complex, organoeuropium compound~~, luminescence spectra, IR spectrum, chelation, crystal symmetry, absorption spectrum, emission spectrum, benzene, europium compound, acetone, complex molecule

ABSTRACT: Infrared absorption spectra of the microcrystalline EuB_3P , EuB_4HP , and $\text{EuB}_3\text{H}(\text{NH}_3)$ complexes, where B is benzoylacetone and P is piperidine, were measured at 77K to clear up the controversy about the degree of distortion of the first coordination sphere of the Eu^{3+} ion. This study was prompted by the reported difference in the luminescence spectra of Eu^{3+} in benzoylacetate complexes with different bases and by the earlier failure to correlate the emission spectra with the symmetry of the ligand field. A difference in the luminescence spectra of the

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ACC NR: AT6034037

above Eu chelates was noted, even though they contained the same base, and was attributed to different structural modifications of the europium benzoylacetate. The shape of the infrared spectra of the complexes studied confirmed the assumption of a continuous decrease in distortion of the coordination oxygen octahedron in the process of formation of the tetraligand EuB_4HP . The EuB_3P complex is formed first in the process of synthesis and displays infrared spectrum identical with that of $\text{EuB}_3\text{H}(\text{NH}_3)$. Depression of the spectral line corresponding to $^5\text{D}_0-^7\text{F}_0$ transition in EuB_4HP as compared to EuB_3P indicated a decrease in distortion of the coordination octahedron and was accompanied by an increase in relative luminescence yield. The spectral characteristics of EuB_4HP and EuB_4HM , where M is morpholine, are, therefore, correlated with the increase in symmetry of the first coordination sphere in comparison with EuB_3P or $\text{EuB}_3\text{H}(\text{NH}_3)$. Orig. art. has: 2 figures and 1 table.

SUB CODE: 07/ SUBM DATE: 25Mar66/

Card 2/2

ACC NR: AT6034038

SOURCE CODE: UR/0000/66/000/000/0150/0152

AUTHOR: Oksyuk, A. A.; Voyevoda, L. V.; Sidorova, R. P.; Ishchenko, I. K.;
Tishchenko, V. G.; Khudenskiy, Yu. K.

ORG: none

TITLE: Coordination symmetry of the emitting ion in various rare-earth element
chelates

SOURCE: Simpozium po spektroskopii kristallov, soderzhashchikh redkozemel'nyye
elementy i elementy gruppy zheleza. Moscow, 1965. Spektroskopiya kristallov
(Spectroscopy of crystals); materialy simpoziuma. Moscow, Izd-vo Nauka, 1966, 150-152

TOPIC TAGS: rare earth complex, organoeuropium compound, organogadolinium compound,
organoterbium compound, organodysprosium compound, organoholmium compound, chelate,
luminescence spectrum, IR spectrum, crystal symmetry, absorption spectrum,
benzene, acetone, complex molecule, rare earth element.

ABSTRACT: A study of the infrared absorption spectra of the rare-earth element
benzoylacetates [same source, p. 147-149] was extended to the microcrystalline
protonized modifications MeB_4 , where Me = Eu, Gd, Tb, Dy, or Ho and B = benzoylace-
tone. The purpose of the study was to evaluate the effect of splitting of the f
energy levels in the ligand field on the frequency shift of the infrared absorption
bands of carbonyl groups ($1500-1610\text{ cm}^{-1}$ region). The frequency shift in this
region, as in the $500-900\text{ cm}^{-1}$ region, reflects a decrease in distortion of the

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ACC NR: AT6034038

first coordination sphere. The microcrystalline MeB_4 complexes were expected to display higher symmetry of the first coordination sphere by analogy with the MeB_4HP complexes. The graph of the frequency of carbonyl band ($\sim 1575 \text{ cm}^{-1}$) of MeB_4 complexes versus the atomic number of Me exhibited the "gadolinium angle" analogous to the one observed earlier on the graph of stability constants of the same complexes. The "gadolinium angle" may be correlated with a uniform distribution of f-electrons between orbitals of the Gd atom. Orig. art. has: 3 figures and 1 table.

SUB CODE: 07/ SUBM DATE: 25May66/

Card 2/2

KUTSYNA, I.M.; VOYEVODA, I.V.; KORNILOVSKAYA, L.D.

Dipole moment of 1,3,5-triphenylpyrazoline- Δ^2 in the first
electronic excited state. Opt. i spektr. 18 no.3:520-22
Mr '65. (MIRA 18:5)

KUTSYNA, L.M.; SIDOROVA, R.P.; VOYEVODA, L.V.; ISHCHENKO, I.K.; DEMCHENKO, N.P.

Effect of the structure on the optical characteristics of derivatives
of some five-membered heterocycles. Izv. AN SSSR.Ser.fiz. 26 no.10:
1304-1305 0 '62. (MIRA 15:10)

(Heterocyclic compounds—Optical properties)
(Chemical structure)

S/154/62/000/003/003/003
D045/D114

AUTHOR: Voyevoda, V.M., Senior Engineer

TITLE: Determining the steepness of the slopes and stratification elements of rock shelves when interpreting aerial photographs

SOURCE: Vysshieye uchebnyye zavedeniya. Izvestiya. Geodeziya i aerofotos"yemka, no. 3; 1962, 115-120

TEXT: The design, application and accuracy of a measuring grid for determining the steepness of the slopes and stratification elements of rock shelves when interpreting aerial photographs, is described. The grid, suggested at the Vsesoyuznyy aerogeologicheskii trust (All-Union Aerogeological Trust) in 1961, is being serially produced at the Optiko-Mekhanicheskiy zavod (Optical Equipment Plant) of the TskhGAIK. It consists of a 210x230 mm transparent glass plate on which 3 grids are superimposed. One grid is an ordinary diagonal scale for measuring differences in coordinates; the other two, in the form of nomograms, are used for carrying out solutions according to appropriate formulae. A table of errors for determining the angle of incidence is

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Determining the steepness of the slopes S/154/62/000/003/003/003
D045/D114

included and calculations necessary for determining the stratification elements are described. Experimental models of the grid passed tests conducted by the Kompleksnaya aerogeologicheskaya tematicheskaya partiya No 12 (Comprehensive Aerogeological Thematic Group No. 12) of the All-Union Aerogeological Trust. The instrumental accuracy was determined by measuring special models and by comparing results obtained using the grid with data obtained under field conditions using the topographical-geodetical method. The mean quadratic error when using the grid equalled $\pm 2^{\circ},3$. The use of the grid will permit solving several additional problems encountered in geological and geomorphological research. There are 5 figures. and 1 table. ✓

ASSOCIATION: Kompleksnaya aerogeologicheskaya tematicheskaya partiya (Comprehensive Aerogeological Thematic Group)

SUBMITTED: January 31, 1962

Card 2/2

VOYE VODA, V.T.

AUTHOR: Voyevoda, V.T.

115-5-17/44

TITLE: Device for Semi-Automatic Checking of Thermocouples (Ustanovka dlya poluavtomaticheskoy poverki termopar)

PERIODICAL: "Izmeritel'naya Tekhnika", No 5, Sep-Oct 1957, pp 35-36 (USSR)

ABSTRACT: The article describes a device designed for checking nickel-chromium and copper-nickel alloy thermocouples, and a test method for the application of this apparatus. The device, which comprises the automatic electronic multiple-point potentiometer "ЭПП-09", checks 6 thermocouples simultaneously and may be subsequently checked together with the reference thermocouple, the t.e.m.f. of which is determined in advance. The thermoelectric inaccuracy of the checked thermocouple is found as the t.e.m.f. difference shown by the potentiometer plus the inaccuracy of the reference thermocouple. It is stated that the replacement of platinum reference thermocouples by non-noble metal thermocouples has proved practical, for the accuracy of checking remains sufficiently high. Design and operation of the device is described in detail and illustrated by a schematic diagram. The article contains 1 diagram and 1 drawing.

AVAILABLE: Library of Congress
Card 1/1

VOIEVODA, V.T.

Automatic machine for cleaning molding cones in the process of obtaining catalysts. Neftianik 2 no.4;26 Ap '57. (MIRA 10:5)

1. Inzhener tsakha kontrol'no-izmeritel'nykh priborov Salavatskogo neftepererabatyvayushchego kombinata.
(Catalysts)

VOYEVODA, V.T.

Equipment used in semiautomatic testing of thermocouples. Izv. tekh.
no. 5: 35-36 S-O '57. (MLRA 10:9)

(Thermocouples, Testing) (Electronic measurements)

Uoyevoda, Yu. A.

PLANE I BUREAU INFORMATION NOV/59

Comprehensive bibliography of scientific and technical literature; it covers various fields of science and technology. (Overall Technical Mechanization and Automation) From Department of Technical Sciences of the National Academy of Sciences of the USSR. 1959. 230 p. 16cm slip inserted. 2,000 copies printed.

Ed.: V. Yanovskiy, Tech. Ed.: Ye. Yanovskiy.

Purpose: This collection of articles is intended for the general reader interested in the mechanization and automation of manufacturing production.

Content: The efforts of industrial workers of the Kuznetsk district to fulfill the objectives set forth in the Seven Year Plan are discussed in these 13 articles. The new perspective automation in the production of machine tools and instruments is strongly emphasized. No personalities are mentioned. There are no references.

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ANALYSIS: Library of Congress

Card 3/3

VI/1959/59
B-11-60

(1)

VOYEVODENKO, V.

Will power. IUn.tekh. 3 no.5:64-65 My '59. (MIRA 12:7)
(Will)

VOYEVO DENKO, V.

VOYEVOLENKO, V.: VAN'KOV, A.

Aleksandr Rubachev. Sov.voin 39 no.18:18 S '56. (MLRA 10:9)
(Rubachev, Aleksandr)

VOYEVODENKO, V.

Our world. *IUn.tekh.* 3 no.12:19-24 D '58. (MIRA 12:1)
(Electrification)

VOYEVODENKO, V.

Your step. IUn.tekh. 2 no.6:70-71 Je '58.
(Walking)

(MIRA 11:6)

VOYEVODIN, A.

At the decisive stage. Kryl.rod.2 no.3:6-7 Mr '51. (MIRA 10:2)

1. Predsedatel' Moskovskogo oblastnogo komiteta Dobrovol'nogo obshchestva sodeystviya aviatsii.
(Military education)

VOYEVODIN, A., kand. sel'skokhozyaystvennykh nauk; CHESALIN, G., kand.
sel'skokhozyaystvennykh nauk.

International Conference on Weed Control. Zemledelie 24 no.9:
79-82 S '62. (MIRA 15:10)

(Weed control—Congresses)

USSR/Weeds and Weed Control.

N

Abs Jour : Ref Zhur Biol., No18, 1958, 82611

Author : Voyevodin, A., Romanov, P.

Inst : -

Title : Sodium Nitrate as a Herbicide.

Orig Pub : Sovkhoznoye proiz-vo, 1958, No 2, 68

Abstract : No abstract.

Card 1/1

VOYEVODIN, A.A., kandidat tekhnicheskikh nauk.

Experience with putting up trussed masts. Vest.svyazi 16
no.9:7-9 3 '56. (MLRA 9:11)

1. Starshiy nauchnyy sotrudnik Nauchno-issledovatel'skogo
instituta Ministerstva svyazi SSSR.
(Radio--Antennas)

VOYEVODIN, A.A., kand. tekhn. nauk

Shprengel' towers in radio communication and broadcasting lines.
Vest. aviatsi 24 no.5:5-8 My '64. (MIRA 17:6)

VOYEVODIN, A. A.

"Methodology of Calculating Steel Radio Towers of Minimum Weight." Thesis for degree of Cand. Technical Sci. Sub 29 Jun 50, All-Union Correspondence Polytechnical Inst, Ministry of Higher Education USSR

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva. Jan-Dec 1950.

VOYEVDIN, A.A.

111-9-10-28

AUTHOR: None given

TITLE: Means of Communications and Broadcasting Shown at the All-Union Industrial Exhibition of 1957 (Sredstva svyazi i veshchaniya predstavlennoye na vsesoyuznoy promyshlennoy vystavke 1957 g.)

PERIODICAL: Vestnik Svyazi, 1957, No 9, pp 14-16 (USSR)

ABSTRACT: The article lists briefly the various items from the USSR postal service, from the field of radio and television engineering which were shown at the All-Union Industrial Exhibition in Moscow.
A model of semi-automatic equipment was demonstrated for inter-urban telephone communications between main centers with branches to inter-oblast telephone systems. This equipment simplifies the establishing of terminal and transitory inter-urban telephone connections and coordinates operation of manual equipment and automatic municipal telephone exchanges for interurban telephone communications.
A universal test and measuring bench for "ATC-47" automatic telephone exchanges was exhibited. It was designed for multiple line-tests and for measuring telephone-subscriber and main lines, telephone apparatus and selectors. Power is provided by a stationary d.c. power source of 60 v.

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Means of Communications and Broadcasting Shown at the All-Union Industrial Exhibition

One of the exhibited diagrams shows the block diagram of the "K-24" condensing system which has been designed for operation with two symmetric cables of different capacitances and allows to establish 24 telephone channels, each of them having a frequency-band of 300 to 3,400 cps. When utilizing one pair in each of the cables, either 24 simultaneous telephone conversations of 18 telephone conversations, 16-18 telegraph communications, 1 phototelegraph communication and two transmissions of radio programs in the band of 60 to 7,300 cps can be established. In the radio section, receivers "Oktava", "Baykal", "Mayak", "Donets" and other new models, as well as high-class multi-tube radio record-player combinations "Rossiya", "Lyuka", "Druzhba" and "Kontsert" were presented. Experimental models of battery-receivers "Svet" and "Kristall" were also demonstrated. The latter is transistorized. The transistorized superheterodyne radio "Festival" contains nine transistors, a built-in ferrite antenna for MW reception. Its intermediate frequency has 465 kilo-cycles. Power is provided by a flash-light battery. The case weighs only 800 g and has the dimensions

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Means of Communications and Broadcasting Shown at the All-Union Industrial Exhibition

ions 174 x 122 x 45 mm. Mass production of this receiver will start in the near future. Two new TV-receivers "TEMII-3" and "TEMII-4". developed by one of the Moscow radio plants, were designed for the reception of any of the 12 programs transmitted in the band of 48-230 megacycles, as well as for the VHF/FM reception and for playing records. The "TEMII-3" TV-receiver contains the 43 cm "43JK2B" tube and the "TEMII-4" contains the 53 cm "53JK2B" tube.

An industrial TV system "ПТУ-0" manufactured by a Moscow TV-equipment plant, consists of a small-size transmitting camera and a receiver which are connected with each other by a cable. Such stations are already utilized in a certain number of national enterprises.

The model of a light low-cost, truss-type radio tower, suggested by A.A. Voyevodin, co-worker of the Scientific Research Institute of the USSR Ministry of Communications, is one of the new exhibits. Actually, such towers were already erected at a certain number of national radio centers.

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Means of Communications and Broadcasting Shown at the All-Union Industrial Exhibition

A large placard contains photos of mechanical post office equipment: a postmarking machine with a capacity of 20,000 letters per hour; a letter sorting machine, with a capacity of 3,000 letters per hour; a batch binding machine producing 1,100 - 1,200 batches an hour and a parcel sorting conveyer with a capacity of 1,200 parcels per hour.

There is an all-metal RR mail coach, as well as an experimental model of the postman's bicycle "B-96", manufactured by the Khar'kov Bicycle Plant (Kharkovskiy velozavod). A special letter-box is fastened on a platform above the front-wheel of the bicycle, which is also manufactured with an auxiliary engine.

An experimental model of a car with a van-type body of "GA3-19" was manufactured by the Gorki Automobile Plant for transporting mail, as well as bulky consumer goods. It has a load capacity of 500 kg.

The "ATC BPC 40" equipment (having a capacity of 40 call-numbers) was designed for interdistrict telephone communications, operational communications of collective farms, and machine and tractor stations. A 60 v storage battery is the

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Means of Communications and Broadcasting Shown at the All-Union Industrial Exhibition

power source of the automatic telephone exchange for inter-district communications.

The Main Committee of the All-Union Industrial Exhibition granted the following diplomas to participants of the 1956 exhibition for special achievements in engineering.

A 2nd grade diploma was granted to the Scientific Research Institute of the USSR Ministry of Communications for the "ФЧП" phototelegraph for transmitting black and white pictures containing texts. The reception is effected with simple paper by means of ordinary ink. It has been developed by the chief engineer G. Nazmutdinov with the help of engineers L.M. Moshbits, N.V. Deryugin, P.I. Murashko, V.M. Bolavinov, N.D. Golikov, V.S. Mel'nikov, A.S. Krivosheyin and others.

The 3rd grade diploma was granted to the Scientific Research Institute, as well as to the experimental plant of the USSR Ministry of Communications for developing and manufacturing the "Strela - M" type radio relay communication equipment, which has been designed by the co-workers of the Institute V.M. Minashin, A.V. Sokolov, V.M. Shifrina, V.D. Kuznetsov, as well as by plant designers I.V. Kazistov and Ya. M. Madorskiy

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111-9-10/28

Means of Communications and Broadcasting Shown at the All-Union Industrial Exhibition

under the direction of S.V. Borodich.

The Central Design Office, the Moscow and the Kiyev plants of the USSR Ministry of Communications received the 2nd grade diploma for the development, introduction and the series production of the complex universal wire broadcasting system for large towns. It consists of the pre-amplifier "AMV", the "TV-5-3" relay amplifier, the distribution commutators "CBK-1", "CTH-1", "CTP-3" and the output commutator rack "ABK-1".

A large group of engineers and technicians of the Central Design Office B.K. Baranovskiy, E.I. Kuperman, A.Kh. Lokshin, A.N. Orlov, A.K. Pendin, S.G. Segal', S.M. Lishinskiy and others participated in the development of circuits and in performing experimental research works.

The Central Design Office and the Moscow plant received another 2nd grade diploma for developing and manufacturing a series of automatized selenium power rectifiers of type "BEC". These rectifiers have been developed by a group of engineers of the Central Design Office and the USSR Ministry of Communications composed of G.A. Vol'fson, L.S. Golubev, G.M. Zunder, P.A. Kokoshkin, V.A. Markov, V.A. Fursov and others.

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111-9-10/28

Means of Communications and Broadcasting Shown at the All-Union Industrial
Exhibition

This article contains 4 photos.

AVAILABLE: Library of Congress

Card 7/7

VOYEVDIN, A. A.

Cand Tech Sci

Dissertation: "Methodics of Calculating Steel Radio Towers of Minimal Weight."

29/6/50

All-Union Polytechnical Correspondence Inst, Ministry of Higher Education, USSR

80 Vecheryaya Moskva
Sum 71

VOYEVODIN, A.F.; GRUSHEVSKIY, M.S.; NIKIFOROVSKAYA, V.S.; PRITVITS, N.A.;
SOBSEL', N.B.

Calculation of unsteady flow on the Ivertsa River by means of
electronic computers. Trudy GGI no.121:88-104 '65.

(MIRA 18:8)

VOYEVODIN, A.V.

Effect of ecologic conditions on the morphology of roots and the
resistance of perennial plants to herbicides and agricultural
measures. Biul.MOIP.Otd.biol. 67 no.3:56-64 My-Je '62.

(MIRA 15:11)

(Roots (Botany))

(Weeds)

VOYEVODIN, Aleksey Vlasovich, kand. sel'khoz. nauk; MINKINA, L.N.,
red.; REUTSKAYA, O.Ye., red.

[Herbicides] Gerbitsidy; sbornik statei. Leningrad, Kolos,
1964. 319 p. (MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zashchity
rasteniy (for Voyevodin).

C. A. VOYEVODIN, A.V.

1951

12.10.1951
13 A

Aerodynamic properties of dustlike preparations of hexachlorane. A. V. Voevodin. *Kolloid. Zhur.* 13, 169-71 (1951).—Mixts. of hexachlorocyclohexane (I) with 10 parts inert filler were blown along a tunnel 400 cm. long and 25 cm. in diam., and the percentage of dust settling at 50, 100, etc. cm. from the inlet was detd. gravimetrically. With different fillers the rate of settling increased from diatomaceous earth to talcum, Ca arsenite, slag, apatite, oiled Ca arsenite, kaolin, and cambrian clay. However, the particle size of the filler was more important than its compn. Particles less than 10 μ in diam. seem to act as binders for larger particles; if the mixt. contains many fine particles, it readily forms aggregates which sediment rapidly. In mixts. of I with talcum (a coarse powder), the rate of settling increased with the content of I (5-60%). In mixts. of I with kaolin (a fine powder), the mixt. contg. 20% I had the least rate of settling and the wt. of sediment least depended on the distance from the inlet. The 5% mixt. settled about as rapidly as the 45% mixt. When the concn. of I was 25-30%, the mixts. with talcum and with kaolin behaved similarly. The results are in agreement with field tests on dusting from aircraft.

J. J. Likerman

CA VOYEVODIN, A.V.

sensitivity of weeds to 2,4-D as related to biological
properties. A. V. Voyevodin. *Zhur. Obshch. Biol.* 12.
282-84 (1951); cf. C.A. 46, 8315A. -- Male plants of perennial
weeds (thistle, *Cirsium arvense*, and *C. incanum*) were more
sensitive to 2,4-D than were female plants, and young plants
more than older ones. Sensitivity was lower, the colder
the climate. Julian P. Smith

VOYEVODIN, A. V.

USSR/Chemistry - Aerosols

May/Jun 51

"Aerodynamic Properties of Dust Preparations of Hexachlorane," A. V. Voyevodin, All-Union Inst of Plant Protection

"Kolloid Zhur" Vol XII, No 3, pp 169-174

In aircraft crop dusting, dispersibility of dusts and their scattering due to air currents is detd by character of micelles formed by aggregation of primary particles. Deg and character of dust aggregation depend on content of particles of diam $< 10\mu$ in carrier and on concn of active substance.

ID

183T16

VOYEVCDIN, A. V.

Weed Control

Increasing effectiveness of the chemical method of controlling weeds. Dokl. ak.
sel'khoz. 17 No. 6 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952 Unclassified.

1. VOYEVODIN, A. V.
2. USSR (600)
4. Herbicides
7. Destroying root-suckered weeds with herbicide 2.4-D.
Dokl. AN SSSR 84, No. 1. 1952.
Vsesoyuznyy Nauchno-Issledovatel'skiy Institut
Zashchity Rasteniy
rod. 14 Jan. 1952
9. Monthly List of Russian Accessions, Library of
Congress, September 1952. UNCLASSIFIED.